Most Frequently Occurring Classifications of Patents Returned
From A Search of 10099729 on October 12, 2005

Original Classifications
```
9   704/275
3   379/88.01
3   455/563
2   379/88.02
2   379/88.04
2   704/260
2   704/276
```

Cross-Reference Classifications
```
9   704/270
7   704/275
4   379/88.01
4   704/231
3   704/246
3   704/270.1
2   359/376
2   379/213.01
2   379/88.02
2   379/88.04
2   379/88.07
2   379/88.16
2   379/88.17
2   455/563
2   704/251
2   704/253
2   704/260
2   704/272
2   704/274
2   715/781
```

Combined Classifications
```
16   704/275
10   704/270
 7   379/88.01
 5   455/563
 4   379/88.02
 4   379/88.04
 4   704/231
 4   704/260
 4   704/270.1
 3   379/88.17
 3   704/246
 3   704/272
 3   704/276
 2   359/376
 2   359/379
 2   379/213.01
 2   379/88.07
 2   379/88.16
 2   704/251
 2   704/253
 2   704/274
 2   715/781
```

10099729_CLSTITLES1
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10099729 on October 12, 2005

```
16  704/275        (9 OR, 7 XR)
          Class   704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                            LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                            COMPRESSION/DECOMPRESSION
          704/200         SPEECH SIGNAL PROCESSING
          704/270         .Application
          704/275         ..Speech controlled system

10  704/270        (1 OR, 9 XR)
          Class   704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                            LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                            COMPRESSION/DECOMPRESSION
          704/200         SPEECH SIGNAL PROCESSING
          704/270         .Application

 7  379/88.01       (3 OR, 4 XR)
          Class   379 :  TELEPHONIC COMMUNICATIONS
          379/67.1        AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

          379/88.01       .Voice activation or recognition

 5  455/563        (3 OR, 2 XR)
          Class   455 :  TELECOMMUNICATIONS
          455/73          TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
                            TRANSCEIVER)
          455/550.1       .Radiotelephone equipment detail
          455/563         ..Having voice recognition or synthesization

 4  379/88.02       (2 OR, 2 XR)
          Class   379 :  TELEPHONIC COMMUNICATIONS
          379/67.1        AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

          379/88.01       .Voice activation or recognition
          379/88.02       ..Voice verification (e.g., voice
                            authorization, voiceprint, etc.)

 4  379/88.04       (2 OR, 2 XR)
          Class   379 :  TELEPHONIC COMMUNICATIONS
          379/67.1        AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

          379/88.01       .Voice activation or recognition
          379/88.04       ..Voice controlled message management

 4  704/231        (0 OR, 4 XR)
          Class   704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                            LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                            COMPRESSION/DECOMPRESSION
          704/200         SPEECH SIGNAL PROCESSING
          704/231         .Recognition

 4  704/260        (2 OR, 2 XR)
          Class   704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                            LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                            COMPRESSION/DECOMPRESSION
          704/200         SPEECH SIGNAL PROCESSING
          704/258         .Synthesis
          704/260         ..Image to speech

 4  704/270.1      (1 OR, 3 XR)
```

```
         Class   704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                       LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                       COMPRESSION/DECOMPRESSION
         704/200       SPEECH SIGNAL PROCESSING
         704/270       .Application
         704/270.1     ..Speech assisted network

3   379/88.17    (1 OR, 2 XR)
         Class   379 : TELEPHONIC COMMUNICATIONS
         379/67.1      AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

         379/88.17     .Interaction with an external nontelephone
                        network (e.g., Internet)

3   704/246      (0 OR, 3 XR)
         Class   704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                       LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                       COMPRESSION/DECOMPRESSION
         704/200       SPEECH SIGNAL PROCESSING
         704/231       .Recognition
         704/246       ..Voice recognition

3   704/272      (1 OR, 2 XR)
         Class   704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                       LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                       COMPRESSION/DECOMPRESSION
         704/200       SPEECH SIGNAL PROCESSING
         704/270       .Application
         704/272       ..Novelty item

3   704/276      (2 OR, 1 XR)
         Class   704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                       LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                       COMPRESSION/DECOMPRESSION
         704/200       SPEECH SIGNAL PROCESSING
         704/270       .Application
         704/276       ..Pattern display

2   359/376      (0 OR, 2 XR)
         Class   359 : OPTICS:  SYSTEMS
         359/362       COMPOUND LENS SYSTEM
         359/368       .Microscope
         359/372       ..With plural optical axes
         359/374       ...Plural oculars
         359/375       ....Binocular
         359/376       .....Stereoscopic

2   359/379      (1 OR, 1 XR)
         Class   359 : OPTICS:  SYSTEMS
         359/362       COMPOUND LENS SYSTEM
         359/368       .Microscope
         359/379       ..Spacing of optical elements axially
                         adjustable

2   379/213.01   (0 OR, 2 XR)
         Class   379 : TELEPHONIC COMMUNICATIONS
         379/201.01    SPECIAL SERVICES
         379/211.01    .Call diversion (e.g., call capture)
         379/213.01    ..Intercept (e.g., dead or changed number)

2   379/88.07    (0 OR, 2 XR)
         Class   379 : TELEPHONIC COMMUNICATIONS
         379/67.1      AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS
```

```
     379/88.07      .Digital signal processing (DSP)

2  379/88.16      (0 OR, 2 XR)
        Class  379 :  TELEPHONIC COMMUNICATIONS
        379/67.1       AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

        379/88.16      .Voice message synthesis

2  704/251       (0 OR, 2 XR)
        Class  704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                      LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                      COMPRESSION/DECOMPRESSION
        704/200       SPEECH SIGNAL PROCESSING
        704/231       .Recognition
        704/251       ..Word recognition

2  704/253       (0 OR, 2 XR)
        Class  704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                      LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                      COMPRESSION/DECOMPRESSION
        704/200       SPEECH SIGNAL PROCESSING
        704/231       .Recognition
        704/251       ..Word recognition
        704/253       ...Endpoint detection

2  704/274       (0 OR, 2 XR)
        Class  704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                      LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
                      COMPRESSION/DECOMPRESSION
        704/200       SPEECH SIGNAL PROCESSING
        704/270       .Application
        704/274       ..Warning/alarm system

2  715/781       (0 OR, 2 XR)
        Class  715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                      DOCUMENT
        715/700       OPERATOR INTERFACE (E.G., GRAPHICAL USER
                          INTERFACE)
        715/764       .On-screen workspace or object
        715/781       ..Window or viewpoint
```

L4: Entry 1 of 11   File: USPT   Mar 4, 2003

US-PAT-NO: 6529585
DOCUMENT-IDENTIFIER: US 6529585 B2

TITLE: Voice label processing apparatus and method

DATE-ISSUED: March 4, 2003

US-CL-CURRENT: 379/88.03; 379/355.01, 379/88.01, 704/243

INT-CL: [07] H04 M 1/64, G10 L 15/06

L4: Entry 2 of 11   File: USPT   Dec 4, 2001

US-PAT-NO: 6327346
DOCUMENT-IDENTIFIER: US 6327346 B1

TITLE: Method and apparatus for setting user communication parameters based on voice identification of users

DATE-ISSUED: December 4, 2001

US-CL-CURRENT: 379/88.02; 379/201.1, 379/207.13, 379/93.03

INT-CL: [07] H04 M 1/64, H04 M 3/42

L4: Entry 3 of 11   File: USPT   Jun 4, 1985

US-PAT-NO: 4520576
DOCUMENT-IDENTIFIER: US 4520576 A

TITLE: Conversational voice command control system for home appliance

DATE-ISSUED: June 4, 1985

US-CL-CURRENT: 34/534; 219/714, 34/562, 367/198, 704/275

INT-CL: [03] F26B 21/06

L4: Entry 4 of 11   File: DWPI   Mar 4, 2003

DERWENT-ACC-NO: 2002-617166
ABSTRACTED-PUB-NO: US20020071527A
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TITLE: Communication connection establishment method in telecommunication network, involves converting voice label input signal into voice label code and then into destination identifier for connection establishment

INT-CL (IPC): G10 L 15/06, H04 M 1/64
Derwent-CL (DC): P86, T01 , W01 , W04
EPI Codes: T01-C08A; T01-J18; W01-C01B1B; W01-C02B5; W01-C02B9; W04-V01; W04-V04A;

L4: Entry 5 of 11   File: DWPI   Dec 4, 2001

DERWENT-ACC-NO: 2002-279209
ABSTRACTED-PUB-NO: US 6327346B
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TITLE: Communication parameter setting method for establishing voice communication, involves retrieving communication setting information from user profile database, for setting communication parameter based on identified user

INT-CL (IPC): H04 M 1/64, H04 M 3/42
Derwent-CL (DC): T01, W01
EPI Codes: T01-J05B4P; T01-J18; T01-N01D1A; T01-N02A3B; T01-N02B1; W01-C01D;

DERWENT-ACC-NO: 1999-561459
ABSTRACTED-PUB-NO: US 6195568B
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TITLE: Adaption method for permitting multiple user to use mobile telephone

INT-CL (IPC): H04 B 1/38, H04 M 1/72, H04 Q 7/32
Derwent-CL (DC): W01, W02
EPI Codes: W01-B05A1A; W01-C01D3D; W01-C02B6A; W02-C03C1A; W02-C03C1C;

DERWENT-ACC-NO: 1998-379215
ABSTRACTED-PUB-NO: EP 854417A
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TITLE: Hand held wireless voice activated device for browsing hypermedia network e.g. internet - has processor for performing voice recognition process and memory for storing voice recognition process and grammar files

INT-CL (IPC): G06 F 3/16, G06 F 13/00, G06 F 15/76, G06 F 17/30, G10 L 15/00, H04 N 5/44
Derwent-CL (DC): P86, T01
EPI Codes: T01-C08A;

DERWENT-ACC-NO: 1997-244613
ABSTRACTED-PUB-NO: US 5623539A
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TITLE: Authorised user determining apparatus which uses voice analysis algorithms - stores authorised voice patterns of several users and receives voice information from telephone line, which is segregated into several voice patterns that are compared with the stored one to determine which users are authorised

INT-CL (IPC): H04 M 1/66
Derwent-CL (DC): W01, W04
EPI Codes: W01-C02B6A; W01-C02G5; W04-V04A;

DERWENT-ACC-NO: 1997-118655
ABSTRACTED-PUB-NO: US 5600781A
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TITLE: Computer system customising method for specific user - involves automatically configuring program executing on computer system to use personalised user interface information in local memory of computer system

INT-CL (IPC): <u>G06</u> <u>F</u> <u>3/14</u>
Derwent-CL (DC): T01, T04
EPI Codes: T01-C02B1H; T01-M06A1A; T04-F02A5; T04-K01;

DERWENT-ACC-NO: 1988-265557
ABSTRACTED-PUB-NO: EP 283120A
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TITLE: Multi-user speech recognition system – has data base storing templates for transfer to recognisers assigned to specific terminals

INT-CL (IPC): G10L 5/06
Derwent-CL (DC): P86, W04
EPI Codes: W04-V01;

DERWENT-ACC-NO: 1985-152261
ABSTRACTED-PUB-NO: US 4520576A
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TITLE: Conversational voice command control system for home appliance – responds to commands by emitting synthesised speech and obtaining necessary input for setting operating parameters

INT-CL (IPC): F26B 21/06
Derwent-CL (DC): Q76, W04 , X27
EPI Codes: W04-V; X27-D01A; X27-D02;

Case Creation Option

Case "10099729" already exists. Please overwrite it or cancel the operation.

The Contents of Case *"10099729"*

Qnum	Query	DB Name	Thesaurus
Q1	(6195568 5252951 5600781 6457024 6819219 5915001 6122614 6144723 4797924 5509049 5623539 6216104 6216104 6400806 6731722 6885736 6052666 5915239 4945570 5764731 5749072 5794205 5867308 5974384 6005710 6070139 6184804 6188985 6243685 4520576 4922538 4939772 5182765 5386494 5406618 5444673 5556283 5572570 5664097 5681108 5752232 5781179 5831190 5892813 5930757 5990579 6044346 6067516 6073103 6125284).pn.	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	None
Q2	(device near2 identifi$6) and (voice near2 identifi$5) and (user near3 profile)	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	None
Q3	Q2 and Q1	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	None
Q4	('US 5623539A' |'EP 854417A' |'US 6195568B' |'4520576' |'EP 283120A' |'US 5600781A' |'6327346' |'6529585')!.ABPN1,NRPN,PN,TBAN,WKU.	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	None
Q5	Q2 and (device adj identific$6)	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	None
Q6	Q2 and translat$3	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	None
Q7	Q6 and command$3	PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD	None

Overwrite   Cancel

WEST Search History

DATE: Friday, November 18, 2005

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR	
☐	L8	L7 and ((plurality or first or second) near2 device)	26
☐	L7	l2 and (voice near2 recogni$6)	50
☐	L6	L5 and L4	0
☐	L5	(device near2 identifi$6) and (voice near2 identifi$5) and (user near3 profile)	61
☐	L4	(6195568 5252951 5600781 6457024 6819219 5915001 6122614 6144723 4797924 5509049 5623539 6216104 6216104 6400806 6731722 6885736 6052666 5915239 4945570 5764731 5749072 5794205 5867308 5974384 6005710 6070139 6184804 6188985 6243685 4520576 4922538 4939772 5182765 5386494 5406618 5444673 5556283 5572570 5664097 5681108 5752232 5781179 5831190 5892813 5930757 5990579 6044346 6067516 6073103 6125284).pn.	95
☐	L3	L2 and L1	0
☐	L2	(device near2 identifi$6) and (voice near2 identifi$5) and (user near3 profile)	61
☐	L1	(6195568 5252951 5600781 6457024 6819219 5915001 6122614 6144723 4797924 5509049 5623539 6216104 6216104 6400806 6731722 6885736 6052666 5915239 4945570 5764731 5749072 5794205 5867308 5974384 6005710 6070139 6184804 6188985 6243685 4520576 4922538 4939772 5182765 5386494 5406618 5444673 5556283 5572570 5664097 5681108 5752232 5781179 5831190 5892813 5930757 5990579 6044346 6067516 6073103 6125284).pn.	95

END OF SEARCH HISTORY